



सीएसआईआर-केंद्रीय खाद्य प्रौद्योगिक अनुसंधान संस्थान
CSIR- CENTRAL FOOD TECHNOLOGICAL RESEARCH INSTITUTE
मैसूरु / MYSURU-570 020, भारत / INDIA

(Constituent Laboratory of CSIR, New Delhi (Ministry of Science & Technology)
An ISO 9001:2008, ISO 14001:2004 & ISO 17025:2005, NABL Accredited Laboratory

सं. /No. CFTRI /52276-A/2019

दिनांक / Date: 22 August, 2022

NOTICE INVITING TENDER

क्रम सं. Sl. No.	निविदा संदर्भ Tender Reference	विवरण / Description
1	CFTRI/52276/2019	Supply, Installation Commissioning of Modified Atmosphere Packaging Equipment

1. Director, CSIR-CFTRI, Mysuru invites tenders for supply, installation, commissioning and satisfactory demonstration of Modified Atmosphere Packaging Equipment – 1Unit
2. Last date for submission of Tender is 2.00 P.M. (IST) on 13/Sep/ 2022 online in etenders.gov.in.
3. Technical Bid Opening on line in e-tender portal at 2.30P.M on 14/ Sep/2022
4. EMD: Rs 75,000/-OR Bid Security Declaration Form (As per Annexure-4 must be uploaded along with technical bid)
5. Bidder has to submit Non-applicability of exclusion form restrictions under Rule 144(xi) of GFR-2017 (Format enclosed with tender documents)
6. This tender is open for Purchase Preference to Make in India and MSME, Bidder must upload class I/class II self-certification Format along with Technical Bid.

हस्ता./Sd/-

Stores and Purchase Officer

Ph: +91- 821-2515440/2515447

E-mail: cosp@cftri.res.in, sosp@cftri.res.in

CRITICAL DATE SHEET

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Tender Ref/No. CFTRI/52276-A/2019

Sl.No.	Stage	Date & Time
1	Publish Date & Time	22/08/2022 @ 5.00p.m.
2	Document Download Start Date & Time	22/08/2022 @ 5.00p.m.
3	Bid submission Start Date & Time	30/08/2022 @ 5.00p.m.
4	Bid submission End Date & Time	13/09/2022 @ 2.00p.m.
5	Bid Opening Date & Time	14/09/2022 @ 2.30p.m.

MACHINE SPECIFICATIONS

MODIFIED ATMOSPHERE PACKAGING WITH DIGITAL GAS MIXER

1. TRAY SEALING MACHINE

- Sealing Temperature- ambient to $250\pm 10^{\circ}\text{C}$
- Packing cycle/min- 4-6 cycles per minute
- Tray sealer with Vacuum and gas filling
- MOC- Stainless steel 304 or better
- Tray dimension (mm)- L: 450-500 H: 200-250 W:100-150
- Digital electronic panel
- Tray sealing with integrated digital gas mixture
- Mixed air 2 to 5 Bar

2. INTEGRATED DIGITAL GAS MIXER

- Number of gases- 3 gases module for O₂, CO₂ & N₂
- Inlet Pressure- 8- 10 bar
- Accuracy- \pm (1.5% of reading + 0.2% of full scale) per flow controller
- Buffer tank - SS 304 or better
- Flow rate – 100-200 litres/minute
- Response time- 5-10sec
- Power Supply- 210-240 V AC
- Capacity of buffer tank-10/20 liters
- Pressure for buffer tank -15-20 bar
- Outlet of the buffer tank provided with regulators set of 2-5 kgf

3. HEAD SPACE OXYGEN & CARBONDIOXIDE ANALYSER (module for O₂/CO₂ Analysis)

- Measuring Range- 0-100% (O₂&CO₂)
- Measuring Accuracy- $\pm 0.1\%$
- Response time- 10 seconds
- Display- LCD/LED

4. VACUUM PACKING MACHINE WITH GAS FLUSHING

- Sealing Type- Pneumatic sealing
- Pump capacity- 6- 20 m³/h
- Sealing bar- 270- 290mm
- 99% Vacuum
- Power Supply- 220- 240 V AC
- Dual Chamber
- MOC- SS 304 or better

5. ETHYLENE GAS ANALYSER

- Range- 0-200 ppm ethylene (provision to extend 1000 ppm)
- Temperature range- 0-50^oc
- Resolution-0.1-0.2ppm
- Display- LCD/LED

6. ULTRAVIOLET C STERILIZATION

- Type- UV -C- Conveyor ()
- Wavelength- 254 nm
- Power range- 400-1500 watts
- Voltage- 210-240 V AC
- Dimensions (mm)- H: 1500-2500, L: 1000-1500, D: 500-800

7. IMPULSE SEALER

- Type- pneumatic impulse
- Configuration- Vertical/Horizontal
- Operation- Foot pedal
- Seal bar size- 270- 320mm
- Sealing Temperature- ambient to $300\pm 10^{\circ}\text{c}$

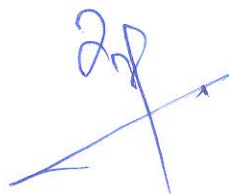
8. REGULATORS FOR OXYGEN, CARBONDIOXIDE AND NITROGEN & PREHEATER FOR CARBON DIOXIDE SPECIFICATIONS:

CO₂ gas heater

- Voltage-220-240 V AC
- SS 304 or better

REGULATORS:

- Body- Stainless steel
- Flow rate-0-500 lpm
- Inlet Pressure-0 to 230 kg/cm²
- Outlet Pressure- 0 to 20 kg/cm²
- Outlet connections- 1/4 or 1/8 push fitting

A handwritten signature in blue ink, consisting of stylized initials and a long horizontal stroke with an arrowhead pointing to the right.

